

Searching Fee

Page 1

BEST AVAILABLE COPY PATENT ABSTRACTS OF JAPAN

(11)Publication number : 04-123762

(43)Date of publication of application : 23.04.1992

(51)Int.Cl.

H01M 4/58
H01M 4/04

(21)Application number : 02-242521

(71)Applicant : HONDA MOTOR CO LTD

(22)Date of filing : 14.09.1990

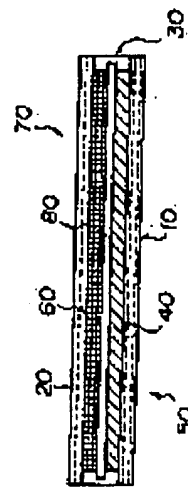
(72)Inventor : NOGUCHI MINORU
SATO KENJI
DEMACHI ATSUSHI
MIYASHITA KOICHI

(54) ANODE ACTIVE MASS FOR ALKALI METAL SECONDARY BATTERY AND
MANUFACTURE OF CATHODE USING SAID ACTIVE MASS

(57)Abstract:

PURPOSE: To manufacture an anode for an alkali metal secondary battery by spraying an anode active mass of composite metal oxide containing an alkali metal to a conductive substrate.

CONSTITUTION: An anode active mass is prepared by adding an organic solvent such as ethanol, etc., to a mixture of lithium carbonate with manganese carbonate and/or cobalt carbonate, pulverizing the resulting mixture by a pulverizing means such as a ball mill, etc., sintering the mixture at for example 750-950°C for 2-6 hours under oxygen atmosphere after drying, further adding the said organic solvent to the mixture, pulverizing the mixture by a ball mill, and drying. In a battery, a pair of an anode plate 10 (a conductive substrate) and a cathode plate 20 are arranged with a side sealing material 30 between them in a state that they are separated from each other. An anode active mass 40 is plasma-sprayed to the back side of the anode plate 10 to form an anode 50 and meanwhile a cathode active mass consisting of lithium metal is press- bound to the back side of the cathode plate 20 to form a cathode 70 and a separator 80 is put between the active masses 40, 60.



BEST AVAILABLE COPY

LEGAL STATUS

[Date of request for examination]

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of rejection]

[Date of requesting appeal against examiner's decision of rejection]

[Date of extinction of right]